

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D239/48 A61K31/505 A61P35/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 235 746 B1 (DAVIS JEREMY MARTIN ET AL) 22 May 2001 (2001-05-22) claims; examples 89-127 ---	1,3-10
X	WO 97 19065 A (CELLTECH THERAPEUTICS LTD ;DAVIS PETER DAVID (GB); MOFFAT DAVID FE) 29 May 1997 (1997-05-29) claims; examples 89-127 ---	1,3-10
X	WO 01 60816 A (AMGEN INC) 23 August 2001 (2001-08-23) claims; examples 56-60 ---	1,3-10
X	EP 1 184 376 A (YAMANOUCHI PHARMA CO LTD) 6 March 2002 (2002-03-06) claims; examples 73-108 ---	1-10
	--- -/-	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

G document member of the same patent family

Date of the actual completion of the international search

11 June 2003

Date of mailing of the international search report

18/06/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Menegaki, F

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/E 8/02710

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01 64655 A (BREAULT GLORIA ANNE ;PEASE ELIZABETH JANET (GB); ASTRAZENECA UK LT) 7 September 2001 (2001-09-07) page 50 -page 52; claims; examples 5-13,26,27,30,31 ----	1,3-10
X	WO 00 39101 A (BREAULT GLORIA ANNE ;PEASE JANET ELIZABETH (GB); ASTRAZENECA UK LT) 6 July 2000 (2000-07-06) page 103 -page 104; claims; examples ----	1,3-10
X	WO 00 12485 A (BREAULT GLORIA ANNE ;PEASE JANET ELIZABETH (GB); ZENECA LTD (GB)) 9 March 2000 (2000-03-09) page 83 -page 84; claims; examples 83-1,83-2 ----	1,3-10
X	EP 1 054 004 A (YAMANOUCHI PHARMA CO LTD) 22 November 2000 (2000-11-22) claims; examples 7,8,48; tables 3,5 ----	1,3-10
P,X	WO 03 018021 A (AMGEN INC) 6 March 2003 (2003-03-06) claims; examples -----	1,3-10

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP 03/02710

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 6,7,9 and 10 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compounds/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International patent family members

International Application No

PCT/E 3/02710

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6235746	B1	22-05-2001	AU 7631496 A DE 69627179 D1 EP 0862560 A1 WO 9719065 A1 US 5958935 A	11-06-1997 08-05-2003 09-09-1998 29-05-1997 28-09-1999
WO 9719065	A	29-05-1997	AU 7631496 A DE 69627179 D1 EP 0862560 A1 WO 9719065 A1 US 6235746 B1 US 5958935 A	11-06-1997 08-05-2003 09-09-1998 29-05-1997 22-05-2001 28-09-1999
WO 0160816	A	23-08-2001	AU 3704101 A CA 2400447 A1 EP 1257546 A1 WO 0160816 A1 US 2002052386 A1	27-08-2001 23-08-2001 20-11-2002 23-08-2001 02-05-2002
EP 1184376	A	06-03-2002	AU 5107900 A EP 1184376 A1 WO 0075113 A1 JP 2001055378 A	28-12-2000 06-03-2002 14-12-2000 27-02-2001
WO 0164655	A	07-09-2001	AU 3397601 A BR 0108834 A CA 2398685 A1 CN 1406230 T EP 1268444 A1 WO 0164655 A1 NO 20024153 A	12-09-2001 10-12-2002 07-09-2001 26-03-2003 02-01-2003 07-09-2001 29-10-2002
WO 0039101	A	06-07-2000	AU 1874300 A BR 9916590 A CA 2352896 A1 CN 1335838 T EP 1140860 A1 WO 0039101 A1 JP 2002533446 T NO 20013038 A	31-07-2000 23-10-2001 06-07-2000 13-02-2002 10-10-2001 06-07-2000 08-10-2002 22-08-2001
WO 0012485	A	09-03-2000	AU 5438299 A EP 1107957 A1 WO 0012485 A1 JP 2002523497 T	21-03-2000 20-06-2001 09-03-2000 30-07-2002
EP 1054004	A	22-11-2000	AU 1507199 A EP 1054004 A1 US 6432963 B1 WO 9931073 A1	05-07-1999 22-11-2000 13-08-2002 24-06-1999
WO 03018021	A	06-03-2003	WO 03018021 A1	06-03-2003